

APPENDIX D:
MARINA SELECTION MATRIX

Name	Scale	Facilities*	Municipal Stormdrain?	Land-use	Sediment deposition	Flushing ✚	Boat type*(sail/power)	Activity level✦	Age	Depth
Berkeley Marina	4	BM, DS, FD, FP,HL,HO,LR,PL,R, RR,SH,	No	Park/old landfill, rest., hotel.	2.4”/yr	“Good”.	80/20. 10% LB, some houseboats	‘pretty busy’. Wknd 75%	1936	12’MLLW
Loch Lomond, San Rafael	3	BM, BS, DS, FD, LR, R, YC	No	Residential, comm., sewer main on rd. Hist: mudflats	6-12”/yr	“pretty good”. Strong current	40/60. 10% liveaboards	Very busy on weekends	1958	7’MLLW
Oyster Point, South San Francisco	2	B, DS, FD, FP, L, LR, PL, PN,RR, SH, R	No	Comm.*, rd, old landfill under parking lot	1” /yr	“relatively well.” East better west	50/50. 10% LB	‘not busy’	1963	7’MLLW
Emery Cove Yacht Harbor, Emeryville➔	2	L, LR, PL, RR, SH,	No	None	2.4” /yr	Good	75/25. 25 LB	Not busy	1984	8.5’MLLW
Emeryville City Yacht Harbor➔	2	FD, FP, L, LR, PL, PN, RR, SH,	No	None	2-4”/yr	“ ”	50/50. 10 FB, 20 LB.	Busy on weekends	mid 70s	8’ MLLW
Ballena Isle Marina, Alameda	2	FD, H, L, LR, PL, RR, SH, YC	No	Residential/open space. Peninsula created from dredged material	6”/yr	“pretty good”	65/45. 51 liveaboards	Light	1965	8’MLW
Richmond Marina Bay Marina, Richmond	1 or 2	DS, L, RR, R, SH, YC	No	Residential, parks, comm. Hist: shipyard	4.8” /yr	“good”	80/20. 10% liveaboards	“sporadic/ weather controlled”	1970s	15’MLLW
San Leandro Marina, San Leandro	2	FD, LR, PN, R, RR, SH, YC,	No	Parks, golf course, commercial. Hist: mudflats	9” /yr	“very good tidal action”	60/40. 10% liveaboards	Moderate weekdays, pretty heavy weekends	1963	7’MLLW
Aeolian Yacht Club, Alameda☆	1 or 2	BM (not in use currently), DS, HO, L, RR, SH	No	Residential, across from Bayfarm island. Hist: open space	6” /yr	“good”	60/40. 5 liveaboards (some old rusty boats, nice yachts)	“50% berthers use boats on daily basis”	1908	11’ at high tide, 6’ at low tide
Clipper 3 Yacht Harbor, Sausalito	2	BM, HO	No	Residential, commercial,town streets /hist: naval shipyard	3.6” /yr	***	40/60. 10% liveaboards	Seasonal	1950	8’MLLW

Matrix Key:
* B=beach, BM=boat maintenance, BR=boat rinse, BS=bait shop, Comm=Commercial, DS=dry storage, FC=Fish Cleaning, FD=fuel dock, FP=fishing pier, H=hoist, Hist=historical, HL=hotel, HO=Haul Out, LB=liveaboard, LR=launch ramp, L=laundry, PN=picnic area, PL=parking lots, R=restaurant, RR=restroom, SH=showers, YC=yacht club.
**According to harbormaster, runoff from Sausalito streets next ends up in the Bay. There may be outfalls at the end of each street.
***Many harbormasters say Richardson Bay is well flushed, because of the 6 feet tidal amplitude, emptying out the Bay and then filling back up again. But others say that this water is largely recycled.
✚Flushing has not been calculated scientifically for marina basins, and very few portions of the Bay have been calculated. Qualitative flushing characteristics obtained from harbormasters. Harbormasters knew little about flushing, or did not disclose.
✦Subjective accounts from harbormasters
☆Marina seems to be in disrepair. Older, rustier boats. Old dredger on one of the side ties.
➔Emeryville City might be dredging this summer. Could this also affect sampling at adjacent Emery Cove? Coyote Point is dredging in July.

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Coyote Point Marina, San Mateo➔	2	FD, LR, YC, RR, SH, PN, B	No	Rec. area, golf course, restrnt, PG&E power substation. Hist: lumberschooners, amuse pk, merch. marine school.	8”/yr	“fairly good”	65/35	‘fairly busy’ on weekends	1942	8MLLW
Pelican Yacht Harbor, Richardson Bay	1	L, PL, RR, SH	No**	Residential, commercial, town streets. Hist*: naval shipyard	1.8”/yr	“very good”***	80/20, 10% liveaboards	busy	1972	12’MLW
Marina Plaza Harbor, Richardson Bay	1	PL, PN, RR	No**	“ “	2”/yr	“OK, not good”	90/10, 10% liveaboards	Relatively quiet	1984	12’ MLW
Richmond Yacht Club, Richmond	1	BR, DS, HO, PL, R, RR, SH	No	Residential, oil. Hist: old army fuel depot, brickworks across street, shipyards, metalworks	1.2”/yr	“well flushed”	99/1	Busy times revolve around boat races	1962	8’MLLW
Brickyard Cove Marina, Richmond	1	DS, H, L, PL, R, RR, SH	No	“ “	1.5”/yr	“stays surprisingly clean”	95/5. 6% liveaboard	“high side of normal” (norm low)	1978	8’MLLW
South Beach Harbor, San Francisco	1	PL, RR, R, SH, YC	No	Urban, Pac Bell Park. Hist: shipping/lght. Ind.	1.2”/yr	“very good”	60/40	Very busy	1987	15’MLLW
Corinthian Yacht Club, Tiburon	1	DS, LR	No	Residential, commercial. Hist: Ferry term & railhead	5-6”/yr	“quite well” near raccoon straights	66/34	Busy on weekends	1887	8’ but varies dramatically around the marina
Clipper 4 Yacht Harbor, Richardson Bay	1		No	Residential, commercial,town streets /hist: naval shipyard	3.6”/yr	***	40/60	Seasonal	1950	8’MLLW
Clipper 2 Yacht Harbor, Richardson Bay	1	DS, FD adjacent to basin, LR	No	Residential, commercial,town streets /hist: naval shipyard	3.6”/yr	***	40/60	Seasonal	1950	8’MLLW
Brisbane Marina, Brisbane	1	FC, PN, RR, SH	No	Few commercial high rises. Open land. Hist: dump (construction rubble)	4-5”/yr	“not very good” (2-3 days)	50/50	“relatively more active than other marinas”	1983	8’MLLW

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